



## GEOGRAPHIC INFORMATION SYSTEMS

### MINIMUM EQUIPMENT LIST

#### Instructional Equipment and Software

| Item Name   | Count<br>15<br>Students | Count<br>20<br>Students | Count<br>25<br>Students | Description/Specification  |
|---|-------------------------|-------------------------|-------------------------|--|
| <b>EQUIPMENT/SOFTWARE FOR GEOGRAPHIC INFORMATION SYSTEMS (Year 1)</b>   |                         |                         |                         |  |
| Television/VCR/DVD  | 1                       | 1                       | 1                       | 25"  |
| Overhead Projector with Screen  | 1                       | 1                       | 1                       |  |
| A/V Cart/Media Storage Center   | 1                       | 1                       | 1                       |  |
| 3D Software   | 1                       | 1                       | 1                       |  |
| Arcview Schools and Lib PKG (Software)  | 1                       | 1                       | 1                       |  |
| Computer Page Scanner   | 1                       | 1                       | 1                       | (11 x 14 Scan area) See Current SpaceStars Equipment Standards                           |
| Computer Printer  | 1                       | 1                       | 1                       | Color, Networkable, Legal/letter sheet, 128/256 MB RAM, 1200 DPI resolution (photo mode) |
| Computer Server, Switch and Network   | 1                       | 1                       | 1                       | See SpaceStars Equipment Standards   |
| Computer System, Teacher's  | 1                       | 1                       | 1                       | GIS/RS Workstation and Monitor, See Current SpaceStars Equipment Standards               |
| Computer System, Student's  | 15                      | 20                      | 25                      | GIS/RS Workstation & Monitor, See Current SpaceStars Equipment Standards                 |
| GEODESY, GIS Data, Air Photo, Landsat 7, including Satellite Tool Kit (Software)  | 1                       | 1                       | 1                       | School License for GIS Software and Data   |
| GPS Units   | 5                       | 7                       | 10                      | See SpaceStars Equipment Standards   |
| Image Analysis Software   | 1                       | 1                       | 1                       |  |
| Microsoft Office (Software)   | 1                       | 1                       | 1                       | Classroom Site License   |
| Network Analysis Software   | 1                       | 1                       | 1                       |  |
| Spatial Analysis Software   | 1                       | 1                       | 1                       |  |
| LCD Projector   | 1                       | 1                       | 1                       | See SpaceStars Equipment Standards   |
| <b>EQUIPMENT/SOFTWARE FOR GEOGRAPHIC INFORMATION SYSTEMS (Year 2 &amp; 3)</b>   |                         |                         |                         |  |
| High Resolution Multi-Spectral Data Set (Software)  | 1                       | 1                       | 1                       | For use in Year 2<br>Spatial Technology and Remote Sensing                               |
| High Resolution Multi-Spectral Data Set (Software)  | 1                       | 1                       | 1                       | For use in Year 2<br>Spatial Projects and Community Exchange                             |
| <b>ESSENTIAL TOOLS AND SUPPLIES (Essential tools and supplies are items such as hand tools, small power tools, test instruments, etc., considered necessary for instruction in the program, but cost less than \$100 or not eligible for reimbursement by the grant.)</b> |                         |                         |                         |  |



| Item Name                              | Count<br>15<br>Students | Count<br>20<br>Students | Count<br>25<br>Students | Description/Specification  |
|--|-------------------------|-------------------------|-------------------------|--|
| Network Installation                   | 1                       | 1                       | 1                       | Installation and configuration of computer network, GIS software, etc. |
| SpaceStars Station Kit<br>(Semester 1) | 15                      | 20                      | 25                      |  |
| Student Kit (Year 2)                   | 15                      | 20                      | 25                      | 1 per Student  |
| Student Kit (Year 3)                   | 15                      | 20                      | 25                      | 1 per Student  |
| Teacher Resource Pack<br>(Year 2)      | 1                       | 1                       | 1                       | Curriculum/Instructional Materials                                     |
| Teacher Resource Pack<br>(Year 3)      | 1                       | 1                       | 1                       | Curriculum/Instructional Materials                                     |
| Teacher Resource Pack<br>(Semester 1)  | 1                       | 1                       | 1                       | Curriculum/Instructional Materials                                     |
| Teacher Resource Pack<br>(Semester 2)  | 1                       | 1                       | 1                       | Curriculum/Instructional Materials                                     |